

Serial No. 09/443,942 (Attorney Docket: 99P7369), entitled *Method and System for Data Compression*.

pending
6/18/04 This Application is a Continuation of U.S. Application S/N: 09/444,028, filed on 11/19/1999, now Pat. No. 6,278,742.

IN THE CLAIMS

For the convenience of the Examiner all of the pending claims are reproduced below.
Amended claims are so indicated.

Please amend the claims as follows:

Please cancel Claims 1-12 without prejudice or disclaimer.

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Sub 13. (Amended) A method for conserving power in a wireless communication system, comprising:

providing communication between a first and second component;
transmitting an initial signal from the first component to the second component at a first power level;

receiving the initial signal from the first component at the second component;
determining a line quality for the initial signal at the second component;
determining a communication strength for the initial signal at the second component; and

transmitting from the second component to the first component a request for the first component to transmit a subsequent signal at a second power level, the second power level less than the first power level, when the line quality for the initial signal is superior to a pre-determined threshold and the communication strength is greater than a specified range [the second power level based on the communication strength for the initial signal].

Please cancel Claims 14 and 15 without prejudice or disclaimer.

16. The method of Claim 13, the first component comprising a mobile unit and the second component comprising a base unit.

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17. The method of Claim 13, the first component comprising a base unit and the second component comprising a mobile unit.

Please add the following new claims 18-33:

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Sub 33
(New) The method of Claim 13, determining a line quality for the initial signal comprising determining a plurality of successive line quality indicators and summing consecutive line quality indicators over a pre-determined period of time.

19. (New) The method of Claim 13, further comprising:
determining a power level for the initial signal at the second component, the power level comprising one of a maximum power level and at least one non-maximum power level; and

transmitting from the second component to the first component a request for the first component to transmit a subsequent signal at the maximum power level when the line quality for the initial signal is inferior to the pre-determined threshold and the first power level is a non-maximum power level.

20. (New) The method of Claim 19, further comprising:
incrementing an attempt counter at the second component when a request is transmitted for the first component to transmit a subsequent signal at the maximum power level; and

determining a power level for the initial signal comprising determining a value of the attempt counter.

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Sub 23
(New) A system for conserving power in a wireless communication system, comprising.

a first component;

a second component for providing wireless communication with the first component and for transmitting an initial signal to the first component at a first power level;

an error detector for the first component, the error detector for determining a line quality for the initial signal; and

the first component operable to determine a power level for the initial signal, the power level comprising one of a maximum power level and at least one non-maximum power level and to transmit a signal to the second component requesting the second component to transmit a subsequent signal at the maximum power level when the line quality for the initial signal is inferior to a pre-determined threshold and the first power level is a non-maximum power level.

22. (New) The system of Claim 21, the first component comprising a mobile unit and the second component comprising a base unit.

23. (New) The system of Claim 21, the first component comprising a base unit and the second component comprising a mobile unit.

Sub 24
24. (New) The system of Claim 21, the error detector operable to determine a line quality for the initial signal by determining a plurality of successive line quality indicators.

25. (New) The system of Claim 24, further comprising a slow hop counter for summing consecutive line quality indicators over a pre-determined period of time, the error detector further operable to determine a line quality for the initial signal by determining a value of the slow hop counter.

26. (New) The system of Claim 21, the first component further operable to determine a communication strength for the initial signal and to transmit a signal to the second component requesting the second component to transmit a subsequent signal at a second power level, the second power level less than the first power level, when the line quality for the initial signal is superior to the pre-determined threshold and the communication strength is greater than a specified range.

27. (New) The system of Claim 21, further comprising:
an attempt counter for the first component, the attempt counter for indicating whether the second component is transmitting at the maximum power level; and
the first component operable to determine a power level for the initial signal by determining a value of the attempt counter.

28. (New) A method for conserving power in a wireless communication system, comprising:

providing communication between a first and second component;
receiving an initial signal from the first component at the second component, the initial signal transmitted from the first component at a first power level;
determining a plurality of successive line quality indicators for the initial signal at the second component;
determining a line quality for the initial signal at the second component by summing consecutive line quality indicators over a pre-determined period of time; and
transmitting from the second component to the first component a request for the first component to transmit a subsequent signal at a second power level, the second power level based on the line quality for the initial signal.

29. (New) The method of Claim 28, the first component comprising a mobile unit and the second component comprising a base unit.

30. (New) The method of Claim 28, the first component comprising a base unit the second component comprising a mobile unit.

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31. (New) The method of Claim 28, further comprising:
determining a communication strength for the initial signal at the second component; and

transmitting from the second component to the first component a request for the first component to transmit a subsequent signal at the second power level, the second power level less than the first power level, when the line quality for the initial signal is superior to a pre-determined threshold and the communication strength is greater than a specified range.

32. (New) The method of Claim 28, further comprising:
determining a power level for the initial signal at the second component, the power level comprising one of a maximum power level and at least one non-maximum power level; and

transmitting from the second component to the first component a request for the first component to transmit a subsequent signal at the second power level, the second power level comprising the maximum power level, when the line quality for the initial signal is inferior to a pre-determined threshold and the first power level is a non-maximum power level.

33. (New) The method of Claim 32, further comprising:
incrementing an attempt counter at the second component when a request is transmitted for the first component to transmit a subsequent signal at the maximum power level; and

determining a power level for the initial signal comprising determining a value of the attempt counter.